



The Commonwealth of Massachusetts

RETURN

OF THE

TOWN OF LITTLETON

TO THE

**DEPARTMENT OF
PUBLIC UTILITIES**

OF MASSACHUSETTS

For the Year Ended December 31,

2015

Name of Officer to whom correspondence should
be addressed regarding this report :

Erica Rooks

Official Title: **Business Manager**

Office Address: **39 Ayer Road
Littleton, MA 01460**

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FOR GAS PLANTS ONLY:

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GENERAL INFORMATION

3

- | | |
|--|--|
| 1. Name of town (or city) making this report. | TOWN OF LITTLETON |
| 2. If the town (or city) has acquired a plant,
Kind of plant, whether gas or electric. | Electric Distribution |
| Owner from whom purchased, if so acquired. | |
| Date of votes to acquire a plant in accordance with the provisions of chapter 164 of the General Laws. | |
| Record of votes: First vote Yes, Second vote: Yes, | |
| Date when town (or city) began to sell electricity, | September 1, 1912 |
| 3. Name and address of manager of municipal lighting: | Scott Edwards
Georgetown, MA |
| 4. Name and address of mayor or selectmen | Melissa Hebert, Littleton, MA
James Karr, Littleton, MA
Joseph Knox, Littleton, MA
Charles DeCoste, Littleton, MA
Paul Avella, Littleton, MA |
| 5. Name and address of town (or city) treasurer: | Steve Venuti
Littleton, MA |
| 6. Name and address of town (or city) clerk: | Diane Crory
Littleton, MA |
| 7. Names and addresses of members of municipal light board: | Dick Taylor, Littleton, MA
Joseph McCumber, Littleton, MA
Ivan Pagacik, Littleton, MA
Thomas Rauker, Littleton, MA
Bruce Trumbull, Littleton, MA |
| 8. Total valuation of estates in town (or city) according to last state valuation | \$1,625,366,807 |
| 9. Tax rate for all purposes during the year: | |
| Residential | \$18.10 |
| Commercial | \$29.89 |
| 10. Amount of manager's salary: | \$181,368 |
| 11. Amount of manager's bond: | |
| 12. Amount of salary paid to members of municipal light board (each) | \$1,950 |

FURNISH SCHEDULE OF ESTIMATES REQUIRED BY GENERAL LAWS, CHAPTER 164, SECTION 57 FOR GAS AND ELECTRIC LIGHT PLANTS FOR THE FISCAL YEAR ENDING DECEMBER 31, NEXT

INCOME FROM PRIVATE CONSUMERS:		
1	FROM SALES OF GAS.....	
2	FROM SALE OF ELECTRICITY	\$32,335,546.00
3	FROM RATE STABILIZATION FUND.....	
4	TOTAL	\$32,335,546.00
5	Expenses:	
6	For operation, maintenance and repairs.....	\$29,790,510.00
7	For interest on bonds, notes or scrip.....	\$16,120.00
8	For depreciation fund (3% on \$ 32,988,990. as per page 8B).....	\$956,000.00
9	For sinking fund requirements.....	
10	For note payments.....	
11	For bond payments.....	\$133,467.00
12	For loss in preceding year.....	
13	TOTAL	\$30,896,097.00
14		
15	Cost:	
16	Of gas to be used for municipal buildings.....	
17	Of gas to be used for street lights.....	
18	Of electricity to be used for municipal buildings.....	738,697.00
19	Of electricity to be used for street lights.....	27,000.00
20	Total of the above items to be included in the tax levy.....	\$765,697.00
21		
22	New construction to be included in the tax levy.....	
23	Total amounts to be included in the tax levy.....	\$765,697.00

CUSTOMERS

Names of cities of towns in which the plant supplies GAS, with the number of customers' meters in each		Names of cities of towns in which the plant supplies ELECTRICITY, with the number of customers' meters in each	
City or Town	Number of Customers' Meters, December 31.	City or Town	Number of Customers' Meters, December 31.
		LITTLETON	4,511
		BOXBOROUGH	2,392
		TOTAL	6,903

Annual Report of The Town of Littleton Electric Light Department	5 Year ended December 31, 2015
APPROPRIATIONS SINCE BEGINNING OF YEAR	
(Include also all items charged direct to tax levy, even where no appropriation is made or required.)	
FOR CONSTRUCTION OR PURCHASE OF PLANT:	
* At meeting 19 , to be paid from {	\$ _____
* At meeting 19 , to be paid from {	\$ _____
FOR THE ESTIMATED COST OF THE GAS OR ELECTRICITY TO BE USED BY THE CITY OR TOWN FOR:	
1. Street Lights.....	\$ 27,000.00
2. Municipal Buildings.....	738,697.00
	<u>\$ 765,697.00</u>
*Date of meeting and whether regular or special { Here insert bonds, notes or tax levy	
CHANGES IN THE PROPERTY	
1. Describe briefly all the important physical changes in the property during the last fiscal period including additions, alterations or improvements to the works or physical property retired.	
In electric property:	
Continued upgrade of entire system	
In gas property:	

Annual Report of The Town of Littleton Electric Light Department

Year ended December 31, 2015

BONDS
(Issued on Account of Gas or Electric Lighting)

When Authorized*	Date of issue	Amount of Original Issue	Period of Payments		Interest		Amount Outstanding
			Amounts	When Payable	Rate	When Payable	
Apr-1999	Ded-1999	\$2,500,000.00 \$78,000.00	\$135,000.00	2000 thru 2006	5.43 Variable	semi annually	295,200.00
			\$138,666.67	2008 thru 2009			
			\$142,133.33	2010 thru 2011			
			\$140,400.00	2012			
			\$138,666.67	2013			
			\$136,933.33	2014			
			\$135,200.00	2015			
			\$133,466.67	2016			
			\$131,733.33	2017			
			\$130,000.00	2018			
	Total	\$2,578,000.00				295,200.00	

The bonds and notes outstanding at the end of the year should agree with the balance sheet. When bond and notes are repaid, report the first three columns only.

*Date of meeting and whether regular or special

TOWN NOTES
(ISSUED ON ACCOUNT OF GAS OR ELECTRIC LIGHTING)

When Authorized	Date of Issue	Amount of Original Issue	Period of Payments		Interest		Amount of Outstanding at End of Year		
			Amounts	When Payable	Rate	When Payable			
			NONE						
	TOTAL	\$0.00						\$0.00	

The bonds and notes outstanding at the end of the year should agree with the balance sheet. When bonds and notes are repaid, report the first three columns only.

Annual Report of The Town of Littleton Electric Light Department							8A
							Year ended December 31, 2015
TOTAL COST OF PLANT - ELECTRIC (Continued)							
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)
1	C. Hydraulic Production Plant						
2	330 Land and Land Rights.....						
3	331 Structures and Improvements....						
4	332 Reservoirs, Dams and Waterways						
5	333 Water wheels, Turbines and Generators.....						
6	334 Accessory Electric Equipment.....						
7	335 Miscellaneous Power Plant Equipment.....						
8	336 Roads, Railroads and Bridges....						
9	Total Hydraulic Production Plant	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	D. Other Production Plant						
11	340 Land and Land Rights.....						
12	341 Structures and Improvements.....						
13	342 Fuel Holders, Producers and Accessories.....						
14	343 Prime Movers.....						
15	344 Generators.....						
16	345 Accessory Electric Equipment.....						
17	346 Miscellaneous Power Plant Equipment.....						
18	Total Other Production Plant	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	Total Production Plant	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	3. Transmission Plant						
21	350 Land and Land Rights.....						
22	351 Clearing Land and Rights of Way						
23	352 Structures and Improvements.....						
24	353 Station Equipment.....						
25	354 Towers and Fixtures.....						
26	355 Poles and Fixtures.....						
27	356 Overhead Conductors and Devices..	11,228		(11,228)			0
28	357 Underground Conduits.....						
29	358 Underground Conductors and Devices						
30	359 Roads and Trails.....						
31	Total Transmission Plant	11,228	0	(11,228)	0	0	0

Annual Report of The Town of Littleton Electric Light Department							8B	
							Year ended December 31, 2015	
TOTAL COST OF PLANT - ELECTRIC (Continued)								
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Retirements (d)	Adjustments (e)	Transfers (f)	Balance End of Year (g)	
1	4. DISTRIBUTION PLANT							
2	360 Land and Land Rights	1,312,675					1,312,675	
3	361 Structures and Improvements	448,530		(36,691)			411,839	
4	362 Station Equipment	4,757,994					4,757,994	
5	363 Storage Battery Equipment	12,026					12,026	
6	364 Poles, Towers and Fixtures	1,683,657	103,309	(39,331)			1,747,634	
7	365 Overhead Conductors and Devices	3,295,367	66,580	(26,232)		17,595	3,353,309	
8	366 Underground Conduits	1,044,404	110,088	(8,186)			1,146,305	
9	367 Underground Conductors & Devices	2,529,417	19,450	(28,004)			2,520,863	
10	368 Line Transformers	3,523,687	279,542	(100,056)			3,703,173	
11	369 Services	878,949	45,412	(35,515)			888,846	
12	370 Meters	639,438	43,431	(33,494)			649,375	
13	371 Installation on Cust's Premises	213,848	3,345	(4,296)			212,897	
14	372 Leased Prop. on Cust's Premises							
15	373 Street Light and Signal Systems	202,446	65,872	(5,723)			262,595	
16	Total Distribution Plant	20,542,436	737,029	(317,528)	0	17,595	20,979,532	
17	5. GENERAL PLANT							
18	389 Land and Land rights							
19	390 Structures and Improvements	8,533,639	14,120	(31,442)			8,516,317	
20	391 Office Furniture and Equipment	897,729	64,335	(21,774)		322,492	1,262,781	
21	392 Transportation Equipment	2,361,762	256,911	(55,562)			2,563,111	
22	393 Stores Equipment	24,212		(1,297)			22,915	
23	394 Tools, Shop and Garage Equipment	469,444	15,505	(10,056)			474,893	
24	395 Laboratory Equipment	342,601		(1,633)			340,968	
25	396 Power Operated Equipment	313,626		(101,809)			211,817	
26	397 Communication Equipment	421,090		(6,207)			414,883	
27	398 Miscellaneous Equipment	84,735	15,502				100,237	
28	399 Other Tangible Property							
29	Total General Plant	13,448,838	366,373	(229,780)	0	322,492	13,907,924	
30	Total Electric Plant in Service	34,002,502	1,103,402	(558,536)	0	340,087	34,887,455	
31	TOTAL COST OF PLANT.....							
32								
33	Less Cost of Land, Land Rights, and Rights of Way							1,312,675
34	Total Cost upon which depreciation is based							33,574,780

The above figures should show the original cost of existing property. In case any part of the property is sold or retired, the cost of such property should be deducted from the cost of the plant. The net cost of the property, less the land values, should be taken as a basis for figuring depreciation.

Annual Report of The Town of Littleton Electric Light Department

Year ended December 31, 2015

COMPARATIVE BALANCE SHEET Assets and Other Debits

Line No.	Title of Account (a)	Balance Beginning of Year (b)	Balance End Year	Increase or (Decrease)
1	UTILITY PLANT			
2	101 Utility Plant -Electric.....	19,654,040	19,780,193	126,153
3	101 Utility Plant- Gas			
4	123 Investment in Associated Companies.....			
5	Total Utility Plant.....	19,654,040	19,780,193	126,153
6				
7				
8				
9				
10				
11	FUND ACCOUNTS			
12	125 Sinking Funds.....			
13	126 Depreciation Fund (P. 14).....	2,954,506	3,529,898	575,392
14	128 Other Special Funds.....	12,048,517	12,473,739	425,222
15	Total Funds.....	15,003,023	16,003,638	1,000,614
16	CURRENT AND ACCRUED ASSETS			
17	131 Cash (P. 14).....	1,280,615	2,869,097	1,588,482
18	132 Special Deposits.....			
19	132 Working Funds.....	1,000	1,000	0
20	141 Notes and Receivables.....			
21	142 Customer Accounts Receivable.....	2,663,773	2,215,150	(448,623)
22	143 Other Accounts Receivable.....	171,714	(195)	(171,909)
23	146 Receivables from Municipality.....			
24	151 Materials and Supplies (P. 14).....	887,893	860,861	(27,031)
25				
26	165 Prepayments.....	1,019,347	601,167	(418,181)
27	174 Miscellaneous Current Assets			
28	Total Current and Accrued Assets...	6,024,341	6,547,080	522,739
29	DEFERRED DEBITS			
30	181 Unamortized Debt Discount.....			
31	182 Extraordinary Property Debits.....			
32	185 Other Deferred Debits.....			
33	Total Deferred Debits.....	0	0	0
34				
35	Total Assets and Other Debits.....	40,681,404	42,330,911	1,649,507

COMPARATIVE BALANCE SHEET Liabilities and Other Credits

Line No.	Title of Account (a)	Balance Beginning of Year (b)	Balance End Year	Increase or (Decrease)
1	APPROPRIATIONS			
2	201 Appropriations for Construction.....			
3	SURPLUS			
4	205 Sinking Fund Reserves.....			
5	206 Loans Repayment.....			
6	207 Appropriations for Construction Repayment..			
7	208 Unappropriated Earned Surplus (P. 12).....	36,586,859	38,890,428	2,303,569
8	Total Surplus.....	36,586,859	38,890,428	2,303,569
9	LONG TERM DEBT			
10	221 Bonds (P. 6).....	530,400	395,200	(135,200)
11	224 Other notes payable (P. 7)			
12	Total Bonds and Notes.....	530,400	395,200	(135,200)
13	CURRENT AND ACCRUED LIABILITIES			
14	232 Accounts Payable.....	195,785	83,593	(112,192)
15	234 Payables to Municipality.....			
16	235 Customer Deposits.....		54,074	54,074
17	236 Taxes Accrued.....			
18	237 Interest Accrued.....			
19	242 Miscellaneous Current and Accrued Liabilities	2,651,483	2,374,351	(277,132)
20	Total Current and Accrued Liabilities...	2,847,268	2,512,018	(335,250)
21	DEFERRED CREDITS			
22	251 Unamortized Premium on Debt.....			
23	252 Customer Advance for Construction.....			
24	253 Other Deferred Credits.....			
25	Total Deferred Credits	0	0	0
26	RESERVES			
27	260 Reserves for Uncollectable Accounts.....	39,122	30,209	(8,913)
28	261 Property Insurance Reserve.....			
29	262 Injuries and Damages Reserves.....			
30	263 Pensions and Benefits.....	677,755	503,056	(174,699)
31	265 Miscellaneous Operating Reserves.....			
32	Total Reserves.....	716,877	533,265	(183,612)
33	CONTRIBUTIONS IN AID OF CONSTRUCTION			
34	271 Contributions in Aid of Construction.....			
35	Total Liabilities and Other Credits	40,681,404	42,330,911	1,649,507

State below if any earnings of the Municipal Lighting Plant have been used for any purpose other than discharging indebtedness of the plant, the purpose for which used and the amount thereof.

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Annual Report of The Town of Littleton Electric Light Department		Year ended December 31, 2015	
STATEMENT OF INCOME FOR THE YEAR			
Line No.	Account (a)	Current Year	Increase or (Decrease) from Preceding Year
1	OPERATING INCOME		
2	400 Operating Revenue (P. 37 and P. 43)	31,215,386	(1,903,364)
3	Operating Expenses:		
4	401 Operation Expense (P.42).....	27,622,122	(1,468,122)
5	402 Maintenance Expense (P. 42).....	818,019	(8,512)
6	403 Depreciation Expense	972,858	22,055
7	407 Amortization of Property Losses.....		
8			
9	408 Taxes (P. 48).....		
10	Total Operating Expenses.....	29,412,998	(1,454,579)
11	Operating Income.....	1,802,388	(448,786)
12	414 Other Utility Operating Income (P.50).....		
13			
14	Total Operating Income.....	1,802,388	(448,786)
15	OTHER INCOME		
16	415 Income from Merchandising, Jobbing, and Contract Work (P. 51)	662,548	165,605
17	419 Interest Income.....	262,515	121,744
18	421 Miscellaneous Income.....	4,003	3,306
19	Total Other Income.....	929,066	290,655
20	Total Income.....	2,731,453	(158,131)
21	MISCELLANEOUS INCOME DEDUCTIONS		
22	425 Miscellaneous Amortization.....		
23	426 Other Income Deductions.....		
24	Total Income Deductions.....		
25	Income before Interest Charges.....	2,731,453	(158,131)
26	INTEREST CHARGES		
27	427 Interest on Operations Bond	22,542	1,913
28	428 Amortization of Debt Discount and Expense.....		
29	429 Amortization of Premium on Debt.....		
30	431 Other Interest Expense.....	1	1
31	432 Interest Charged to Construction-Credit.....		
32	Total Interest Charges	22,543	1,914
33	Net Income.....	2,708,911	(160,044)
EARNED SURPLUS			
Line No.	(a)	Debits (b)	Credits (c)
34	Unappropriated Earned Surplus (at beginning of Period).....		36,586,859
35	Direct Charge to Surplus	792,409	
36	Earnings and Contributions to Restricted Equity for OPEB		1,176,735
37			
38	433 Balance transferred from Income.....		2,708,911
39	434 Miscellaneous Credits to Surplus.....		74,388
40	435 Miscellaneous Debits to Surplus.....	864,058	
41	436 Appropriations of Surplus (P.21).....		
42	437 Surplus Applied to Depreciation.....		
43	208 Unappropriated Earned Surplus (at end of period).....	38,890,427	
44	TOTALS	40,546,893	40,546,893

Annual Report of The Town of Littleton Electric Light Department		14 Year ended December 31, 2015	
CASH BALANCES AT END OF YEAR			
Line No.	Items (a)	Amount (b)	
1	Construction Fund.....	2,989,687	
2	Rate Stabilization Fund.....	7,086,046	
3	Pension Fund.....	971,271	
4	Post Employment Benefits.....	1,426,735	
5	Operating Cash	2,870,097	
6			
7			
8			
9			
10			
11			
12	TOTAL	15,343,836	
MATERIALS AND SUPPLIES (Account 151-159, 163) Summary per Balance Sheet			
Line No.	Account (a)	Amount End of Year	
		Electric (b)	Gas (c)
13	Fuel (Account 151) (See Schedule, Page 25).....		
14	Fuel Stock Expenses (Account 152).....		
15	Residuals (Account 153).....		
16	Plant Materials and Operating Supplies (Account 154).....	860,861	
17	Merchandise (Account 155).....		
18	Other Materials and Supplies (Account 156).....		
19	Nuclear Fuel Assemblies and Components - In Reactor (Acct 157)		
20	Nuclear Fuel Assemblies and Components - Stock Acct (Acct 158)		
21	Nuclear Byproduct Materials (Account 159).....		
22	Stores Expense (Account 163).....		
23	Total per Balance Sheet	860,861	
Depreciation Fund Account (Account 126)			
Line No.	(a) DEBITS	Amount (b)	
24			
25	Balance of Account at Beginning of Year.....	2,954,506	
26	Income During Year from Balance on Deposit.....	127,903	
27	Amount Transferred from Income.....	972,858	
28	TOTAL	4,055,267	
29			
30	CREDITS		
31	Amount expended for Construction Purposes (Sec. 57C164 of G.L.)	525,368	
32	Amounts Expended for Renewals.....		
33	Adjustment losses from investments		
34			
35			
36			
37			
38			
39	Balance on Hand at End of Year.....	3,529,898	
40	TOTAL	4,055,267	

Annual Report of The Town of Littleton Electric Light Department							16
							Year ended December 31, 2015
UTILITY PLANT - ELECTRIC (continued)							
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	c. Hydraulic Production Plant						
2	330 Land and Land Rights.....						
3	331 Structures and Improvements.....						
4	332 Reservoirs, Dams and Waterways						
5	333 Water Wheels, Turbines and Generators.....						
6	334 Accessory Electric Equipment.....						
7	335 Miscellaneous Power Plant Equipment.....						
8	336 Roads, Railroads and Bridges.....						
9	Total Hydraulic Production Plant						
10	D. Other Production Plant						
11	340 Land and Land Rights.....						
12	341 Structures and Improvements.....						
13	342 Fuel Holders,Producers and Accessories.....						
14	343 Prime Movers.....						
15	344 Generators						
16	345 Accessory Electric Equipment.....						
17	346 Miscellaneous Power Plant Equipment.....						
18	Total Other Production Plant						
19	Total Production Plant						
20	3. TRANSMISSION PLANT						
21	350 Land and Land Rights.....						
22	351 Clearing Land and Rights of Way..						
23	352 Structures and Improvements..						
24	353 Station Equipment.....						
25	354 Towers and Fixures						
26	355 Poles and Fixtures.....						
27	356 Overhead Conductors and Device..	1,000		(302.04)	(698.00)		0
28	357 Underground Conduits.....						
29	358 Underground Conductors and Devices.....						
30	359 Roads and Trails.....						
31	Total Transmission Plant	1,000	-	(302)	(698)	0	0

Annual Report of The Town of Littleton Electric Light Department							17
							Year ended December 31, 2015
UTILITY PLANT - ELECTRIC (continued)							
Line No.	Account (a)	Balance Beginning of Year (b)	Additions (c)	Depreciation (d)	Other Credits (e)	Adjustments Transfers (f)	Balance End of Year (g)
1	4. DISTRIBUTION PLANT						
2	360 Land and Land Rights.....	1,312,675					1,312,675
3	361 Structures and Improvements.....	138,417		(12,064)			126,353
4	362 Station Equipment.....	2,625,629		(127,976)			2,497,653
5	363 Storage Battery Equipment.....	10,779		(324)			10,455
6	364 Poles and Fixtures.....	1,024,470	103,309	(45,285)			1,082,493
7	365 Overhead Conductors and Devices...	1,438,391	66,580	(87,936)		17,595	1,434,629
8	366 Underground Conduits.....	591,649	110,088	(28,091)			673,645
9	367 Underground Conductors and Devices	1,602,120	19,450	(68,034)			1,553,536
10	368 Line Transformers.....	2,039,780	279,542	(94,777)			2,224,545
11	369 Services.....	228,761	45,412	(23,641)			250,532
12	370 Meters.....	525,746	43,431	(17,199)			551,978
13	371 Installation on Cust's Premises....	73,960	3,345	(5,752)			71,553
14	372 Leased Prop. on Cust's Premises....						
15	373 Street Light and Signal Systems....	73,351	65,872	(5,445)			133,777
16	Total Distribution Plant	11,685,726	737,029	(516,524)	0	17,595	11,923,826
17	5. GENERAL PLANT						
18	389 Land and Land Rights.....						
19	390 Structures and Improvements.....	5,773,828	14,120	(223,450)			5,564,499
20	391 Office Furniture and Equipment.....	458,859	64,335	(89,773)		322,492	755,913
21	392 Transportation Equipment.....	565,050	256,911	(98,509)			723,452
22	393 Stores Equipment.....	15,803		(651)			15,152
23	394 Tools, Shop and Garage Equipment...	220,415	15,505	(12,627)			223,293
24	395 Laboratory Equipment.....	239,246		(9,215)			230,031
25	396 Power Operated Equipment.....	24,160		(8,436)			15,725
26	397 Communication Equipment.....	272,599		(10,394)			262,205
27	398 Miscellaneous Equipment.....	52,872	15,502	(2,279)			66,095
28	399 Other Tangible Property.....						
29	Total General Plant	7,622,831	366,373	(455,333)	0	322,492	7,856,364
30	Total Electric Plant in Service	19,309,557	1,103,402	(972,159)	0	340,087	19,780,190
31	104 Utility Plant leased to Others.....						
32	105 Property Held for Future Use.....						
33	107 Construction Work in Progress.....	344,481			(4,394)	(340,087)	0.00
	108 Accumulated Depreciation						
34	Total Utility Electric Plant	19,654,038	1,103,402	(972,159)	0	0	19,780,190

**PRODUCTION FUEL AND OIL STOCKS (Included in Account 151)
(Except Nuclear Materials)**

1. Report below the information called for concerning production fuel and oil stocks.
2. Show quantities in tons of 2,000 lbs., gal., or Mcf., whichever unit of quantity is applicable.
3. Each kind of coal or oil should be shown separately.
4. Show gas and electric fuels separately by specific use.

Line No.	Item (a)	Total Cost (b)	Kinds of Fuel and Oil			
			Quantity (c)	Cost (d)	Quantity (e)	Cost (f)
1	On Hand Beginning of year					
2	Received During Year					
3	TOTAL					
4	Used During Year (Note A)					
5						
6	NONE					
7						
8						
9						
10						
11	Sold or Transferred					
12	TOTAL DISPOSED OF					
13	BALANCE END OF YEAR					

Line No.	Item (g)	Kinds of Fuel and Oil -- Continued			
		Quantity (h)	Cost (i)	Quantity (j)	Cost (k)
14					
15					
16					
17					
18	NONE				
19					
20					
21					
22					
23					
24					
25					
26					

Annual Report of The Town of Littleton Electric Light Department		21
		Year ended December 31, 2015
MISCELLANEOUS NON-OPERATING INCOME (Account 421)		
Line No.	Item (a)	Amount (b)
1	GAIN ON SALE OF VEHICLES	\$4,003.00
2		
3		
4		
5		
6	TOTAL	\$4,003.00
OTHER INCOME DEDUCTIONS (Account 426)		
Line No.	Item (a)	Amount (b)
7		
8		
9		
10		
11		
12		
13		
14	TOTAL	
MISCELLANEOUS CREDITS TO SURPLUS (Account 434)		
Line No.	Item (a)	Amount (b)
15		
16		
17		
18		
19		
20		
21		
22		
23	TOTAL	\$0.00
MISCELLANEOUS DEBITS TO SURPLUS (Account 435)		
Line No.	Item (a)	Amount (b)
24	PAYMENT IN LIEU OF TAXES	\$567,756.46
25	A & G EXPENSE FOR TOWN WATER DEPT	\$296,301.18
26		
27		
28		
29		
30		
31		
32	TOTAL	\$864,057.64
APPROPRIATIONS OF SURPLUS (Account 436)		
Line No.	Item (a)	Amount (b)
33		
34		
35		
36		
37		
38		
39		
40	TOTAL	

Annual Report of The Town of Littleton Electric Light Department

Year ended December 31, 2015

MUNICIPAL REVENUES (Accounts 482,444)
(K.W.H. Sold under the Provision of Chapter 269, Acts of 1927)

Line No.	Acct No.	Gas Schedule (a)	Cubic Feet (b)	Revenue Received (c)	Average Revenue per M.C.F. [\$0.0000] (d)
1					
2					
3	482	NONE			
4		TOTALS			
Line No.		Electric Schedule (a)	K.W.H. (b)	Revenue Received (c)	Average Revenue per K.W.H. [cents] [\$0.0000] (d)
5					
6	444	Municipal: (Other Than Street Lighting)	6,125,018	716,049.65	0.1169
7					
8		TOTALS			
9		Street Lighting	258,989	\$26,360.50	0.1018
10					
11		TOTALS			
12					
13					
14					
15		TOTALS	6,384,007	\$742,410.15	0.1163

PURCHASED POWER (Account 555)

Line No.	Names of Utilities from which Electric Energy is Purchased (a)	Where and at What Voltage Received (b)	K.W.H. (c)	Amount (d)	Cost per K.W.H. cents [0.0000] (e)
20	ISO New England	Beaver Brook	43,476,879	\$2,004,149.73	0.0461
21	Nextera	substation	22,336,000	\$936,683.93	0.0419
22	Power Authority of New York	Littleton, MA	6,566,505	\$32,307.18	0.0049
23	Wyman (MMWEC)	115 KV	638,369	\$85,896.15	0.1346
24	Intermediate (MMWEC)		3,235,398	\$246,191.27	0.0761
25	Peaking (MMWEC)		71,045	\$13,898.36	0.1956
27	Mix 1 (MMWEC)		268,821	\$1,807.66	0.0067
28	Mix 3 (MMWEC)		5,719,179	\$38,324.76	0.0067
29	Mix 4 (MMWEC)		9,130,608	\$60,889.97	0.0067
30	Mix 5 (MMWEC)		963,345	\$6,449.07	0.0067
31	Benton Falls Hydro		12,160,893	\$1,159,471.83	0.0953
32	A&D Hydro		5,410,111	\$507,140.13	0.0937
33	BP Energy		174,586,800	\$8,788,207.11	0.0503
34	Ashuelot River Hydro		3,612,480	\$249,281.81	0.0690
35	Saddleback Ridge		3,451,606	\$312,253.45	0.0905
36	Ice House Partners		593,369	\$41,535.88	0.0700
38	NextSun Energy		5,597,350	\$560,403.44	0.1001
40	Misc Cash Adjustment / Refunds			(\$15,834.51)	
41					
42		TOTALS	297,818,758	\$15,029,057.22	0.0505

SALES FOR RESALE (Account 447)

Line No.	Names of Utilities to which Electric Energy is Sold (a)	Where and at What Voltage Received (b)	K.W.H. (c)	Amount (c)	Revenues per K.W.H. [cents] [0.0000] (e)
43					
		TOTALS		\$0.00	

ELECTRIC OPERATING REVENUES (Account 400)

1. Report below the amount of Operating Revenue for the year for each prescribed account and the amount of increase or decrease over the preceding year.
 2. If increases and decreases are not derived from previously reported figures explain any inconsistencies.
 3. Number of customers should be reported on the basis of number of meters, plus number of flat rate accounts, except that where separate meter readings are

added for billing purposes, one customer shall be counted for each group of meters so added. The average number of customers means the average of the 12 figures at the close of each month. If the customer count in the residential service classification includes customers counted more than once because of special services, such as water heating, etc., indicate in a footnote the number of such duplicate customers included in the classification.

4. Unmetered sales should be included below. The details of such sales should be given in a footnote.
 5. Classification of Commercial and Industrial Sales, Account 442, according to small (or Commercial) and Large (or Industrial) may be according to the basis of classification regularly used by the respondent if such basis of classification is not greater than 1000 Kw of demand. See Account 442 of the Uniform System of Accounts. Explain basis of classification.

Line No.	Account (a)	Operating Revenues		Kilowatt-hours Sold		Average Number of Customers per Month	
		Amount for Year (a)	Increase or (Decrease) from Preceding Year (c)	Amount for Year (d)	Increase or (Decrease) from Preceding Year (e)	Number for Year (f)	Increase or (Decrease) from Preceding Year (g)
1	SALES OF ELECTRICITY						
2	440 Residential Sales.....	\$7,138,097.28	(\$173,804.15)	65,599,317	1,797,083	6,022	144
3	442 Commercial and Industrial Sales:						
4	Small (or Commercial) see instr. 5.....	\$1,599,453.85	(\$12,019.31)	13,786,993	591,225	572	21
5	Large (or Industrial) see instr. 5.....	\$21,544,094.21	(\$1,733,152.21)	205,505,558	544,338	80	1
6	444 Municipal Sales (P.22)	\$716,049.65	(\$12,415.22)	6,125,018	(187,092)	67	2
7	445 Other Sales to Public Authorities.....						
8	446 Sales to Railroads and Railways.....						
9	448 Interdepartmental Sales.....						
10	449 Miscellaneous Electric Sales.....						
11	Total Sales to Ultimate Consumers.....	\$30,997,694.99	(\$1,931,390.89)	291,016,886	2,745,554	6,740	167
12	447 Sales for Resale.....						
13	Total Sales of Electricity*.....	\$30,997,694.99	(\$1,931,390.89)	291,016,886	2,745,554	6,740	167
14	OTHER OPERATING REVENUES						
15	450 Forfeited Discounts.....	\$32,107.27	(\$5,498.49)				
16	451 Miscellaneous Service Revenues.....	\$65,808.50	\$46,134.00				
17	453 Sales of Water and Water Power.....						
18	454 Rent from Electric Property.....	\$104,336.78	\$3,654.03				
19	455 Interdepartmental Rents.....						
20	456 Other Electric Revenues.....	\$15,438.69	(\$16,263.01)				
21	458 Federal/State Emergency Reimbursements	\$0.00					
22							
23	Miscellaneous Adjustments to Sales						
24							
25	Total Other Operating Revenues.....	\$217,691.24	\$28,026.53				
26	Total Electric Operating Revenues.	\$31,215,386.23	(\$1,903,364.36)				

SALES OF ELECTRICITY TO ULTIMATE CONSUMERS

Report by account number the K.W.H. sold, the amount derived and the number of customers under each filed schedule or contract. Municipal sales and unbilled sales may be reported separately in total.

Line No.	Account No.	Schedule (a)	K.W.H. (b)	Revenue (c)	Average Revenue per K.W.H. (cents) *(0.0000) (d)	Number of Customers (per Bills Rendered)		
						July 31 (e)	December 31 (f)	
1	440	Residential	65,599,317	7,138,097.28	0.1088	6,071	6,162	
2	442-2	Commercial / Industrial SM	13,786,993	1,599,453.85	0.1160	577	589	
3	442-3	Commercial / Industrial Power	17,973,932	2,190,530.05	0.1219	56	56	
4	442-4	Commercial / Industrial Large	187,531,626	19,353,564.16	0.1032	25	28	
5	445	Municipal	6,125,018	716,049.65	0.1169	67	67	
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47								
48	TOTAL SALES TO ULTIMATE CONSUMERS							
49	(Page 37 Line 11)			291,016,886	30,997,695	0.1065	6,796	6,902

ELECTRIC OPERATION AND MAINTENANCE EXPENSES

1. Enter in the space provided the operation and maintenance expenses for the year.
2. If the increases and decreases are not divided from previously reported figures explain in footnote.

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	POWER PRODUCTION EXPENSE		
2	STEAM POWER GENERATION		
3	Operation:		
4	500 Operation supervision and engineering.....		
5	501 Fuel.....		
6	502 Steam expense.....		
7	503 Steam from other sources.....		
8	504 Steam transferred -- Cr.....		
9	505 Electric expenses.....		
10	506 Miscellaneous steam power expenses.....		
11	507 Rents.....		
12	Total Operation		
13	Maintenance:		
14	510 Maintenance supervision and engineering.....		
15	511 Maintenance of structures.....		
16	512 Maintenance of boiler plant.....		
17	513 Maintenance of electric plant.....		
18	514 Maintenance of miscellaneous steam plant.....		
19	Total Maintenance		
20	Total power production expenses -- steam power		
21	NUCLEAR POWER GENERATION		
22	Operation:		
23	517 Operation supervision and engineering.....		
24	518 Fuel.....		
25	519 Coolants and water.....		
26	520 Steam expense.....		
27	521 Steam from other sources.....		
28	522 Steam transferred -- Cr.....		
29	523 Electric expenses.....		
30	524 Miscellaneous nuclear power expenses.....		
31	525 Rents.....		
32	Total Operation		
33	Maintenance:		
34	528 Maintenance supervision and engineering.....		
35	529 Maintenance of structures.....		
36	530 Maintenance of reactor plant equipment.....		
37	531 Maintenance of electric plant.....		
38	532 Maintenance of miscellaneous nuclear plant.....		
39	Total Maintenance		
40	Total power production expenses -- nuclear power		
41	HYDRAULIC POWER GENERATION		
42	Operation:		
43	535 Operation supervision and engineering.....		
44	536 Water for power.....		
45	537 Hydraulic expenses.....		
46	538 Electric expenses.....		
47	539 Miscellaneous hydraulic power generation expenses.....		
48	540 Rents.....		
49	Total Operation		

(continued on page 40)

ELECTRIC OPERATION AND MAINTENANCE EXPENSES - CONTINUED

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	HYDRAULIC POWER GENERATION - CONTINUED		
2	Maintenance:		
3	541 Maintenance Supervision and Engineering.....		
4	542 Maintenance of Structures.....		
5	543 Maintenance of Reservoirs, Dams and Waterways.....		
6	544 Maintenance of Electric Plant.....		
7	545 Maintenance of Miscellaneous Hydraulic Plant.....		
8	Total Maintenance		
9	Total Power Production Expenses - Hydraulic Power		
10	OTHER POWER GENERATION		
11	Operation:		
12	546 Operation Supervision and Engineering.....		
13	547 Fuel.....		
14	548 Operation Expenses.....		
15	549 Miscellaneous Other Power Generation Expenses.....		
16	550 Rents.....		
17	Total Operation		
18	Maintenance:		
19	551 Maintenance Supervision and Engineering.....		
20	552 Maintenance of Structure.....		
21	553 Maintenance of Generating and Electric Plant.....		
22	554 Maintenance of Miscellaneous Other Power Generation Plant		
23	Total Maintenance		
24	Total Power Production Expenses - Other Power		
25	OTHER POWER SUPPLY EXPENSES		
26	555 Purchased Power.....	\$15,029,057	(\$5,361,596)
27	556 System Control and Load Dispatching.....		
28	557 Other Expenses.....	\$4,352,780	\$4,188,009
29	Total Other Power Supply Expenses	\$19,381,837	(\$1,173,587)
30	Total Power Production Expenses	\$19,381,837	(\$1,173,587)
31	TRANSMISSION EXPENSES		
32	Operation:		
33	560 Operation Supervision and Engineering.....		
34	561 Load Dispatching.....		
35	562 Station Expenses.....		
36	563 Overhead Line Expenses.....		
37	564 Underground Line Expenses.....		
38	565 Transmission of Electricity by Others.....	\$4,173,247	(\$14,296)
39	566 Miscellaneous Transmission Expenses.....		
40	567 Rents.....		
41	Total Operation	\$4,173,247	(\$14,296)
42	Maintenance:		
43	568 Maintenance Supervision and Engineering.....		
44	569 Maintenance of Structures.....		
45	570 Maintenance of Station Equipment.....		
46	571 Maintenance of Overhead Lines.....		
47	572 Maintenance of Underground Lines.....		
48	573 Maintenance of Miscellaneous Transmission Plant.....		
49	Total Maintenance		
50	Total Transmission Expenses	\$4,173,247	(\$14,296)

ELECTRIC OPERATION AND MAINTENANCE EXPENSES - CONTINUED

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	DISTRIBUTION EXPENSES		
2	Operation:		
3	580 Operation Supervision and Engineering.....	392,077	86,327
4	581 Load Dispatching.....	297,139	(802)
5	582 Station Expenses.....	0	(14,366)
6	583 Overhead Line Expenses.....		
7	584 Underground Line Expenses.....		
8	585 Street Lighting and Signal System Expenses.....	561	561
9	586 Meter Expenses.....	118,225	17,269
10	587 Customer Installations Expenses.....		
11	588 Miscellaneous Distribution Expenses.....	298,878	(10,283)
12	589 Rents.....		
13	Total Operation	1,106,880	78,705
14	Maintenance:		
15	590 Maintenance supervision and engineering.....	0	(104)
16	591 Maintenance of Structures.....		
17	592 Maintenance of Station Equipment.....	1,918	(9,200)
18	593 Maintenance of Overhead Lines.....	311,543	(32,051)
19	594 Maintenance of Underground Lines.....	104,707	16,358
20	595 Maintenance of Line Transformers.....	0	0
21	596 Maintenance of Street Lighting and Signal Systems....	8,035	(14,520)
22	597 Maintenance of Meters.....		
23	598 Maintenance of Miscellaneous Distribution Plant.....	1,447	1,421
24	Total Maintenance	427,651	(38,096)
25	Total Distribution Expenses	1,534,531	40,610
26	CUSTOMER ACCOUNTS EXPENSES		
27	Operation:		
28	901 Supervision.....	245,240	86,671
29	902 Meter Reading Expenses.....	77,933	(3,786)
30	903 Customer Records and Collection Expenses.....	131,461	(76,755)
31	904 Uncollectable Accounts.....	0	0
32	905 Miscellaneous Customer Accounts Expenses.....		
33	Total Customer Accounts Expenses	454,634	6,130
34	SALES EXPENSES		
35	Operation:		
36	911 Supervision.....		
37	912 Demonstrating and Selling Expenses.....	6,894	(100,326)
38	913 Advertising Expenses.....	42,947	40,364
39	916 Miscellaneous Sales Expense.....	0	(3,505)
40	Total Sales Expenses	49,841	(63,467)
41	ADMINISTRATIVE AND GENERAL EXPENSES		
42	Operation:		
43	920 Administrative and General Salaries.....	265,665	(279,711)
44	921 Office Supplies and Expenses.....	273,415	(105,450)
45	922 Administrative Expenses Transferred - Cr.....		
46	923 Outside Services Employed.....	771,949	(15,367)
47	924 Property Insurance.....	19,296	(28,231)
48	925 Injuries and Damages.....	49,680	4,046
49	926 Employees Pensions and Benefits.....	990,672	(96,332)
50	928 Regulatory Commission Expenses.....	0	(485)
51	929 Duplicate Charges - Cr.....		
52	930 Miscellaneous General Expenses.....	85,007	(16,707)
53	931 Rents.....		
54	Total Operation	2,455,683	(538,238)

ELECTRIC OPERATION AND MAINTENANCE EXPENSES -- Continued

Line No.	Account (a)	Amount for Year (b)	Increase or (Decrease) from Preceding Year (c)
1	ADMINISTRATIVE EXPENSES		
2	Maintenance:		
3	932 Maintenance of General Plant.....	156,293	(12,321)
4	933 Transportation expense.....	234,075	(16,027)
5	Total Maintenance	390,368	(28,348)
6	Total Administrative and General Expenses	2,846,051	(727,321)
7	Total Electric Operation and Maintenance Expenses	28,440,141	(1,931,932)

SUMMARY OF ELECTRIC OPERATION AND MAINTENANCE EXPENSES

Line No.	Functional Classification (a)	OPERATION (b)	MAINTENANCE (c)	TOTAL (d)
8	Power Production Expenses			
9	Electric Generation			
10	Steam Power.....			
11	Nuclear Power.....			
12	Hydraulic Power.....			
13	Other Power.....			
14	Other Power Supply Expenses.....	19,381,837		19,381,837
15	Total Power Production Expenses	19,381,837		19,381,837
16	Transmission Expenses.....	4,173,247		4,173,247
17	Distribution Expenses.....	1,106,880	427,651	1,534,531
18	Customer Accounts Expenses.....	454,634		454,634
19	Sales Expenses.....	49,841		49,841
20	Administrative and General Expenses.....	2,455,683	390,368	2,846,051
21	Support Expense Transfer			
22	Total Electric Operation and Maintenance Expenses	27,622,122	818,019	28,440,141

23	Ratio of Operating Expenses to Operating Revenues (carry out decimal two places, (e.g. 0.00%) Compute by dividing Revenues (acct 400) into the sum of Operation and Maintenance Expenses (Page 42, Line 20 (d), Depreciation (Acct 403) and Amortization (Acct 407).....	94.23%
24	Total salaries and wages of electric department for year, including amounts charged to oper- ating expenses, construction and other accounts.....	\$2,720,141.74
25	Total number of employees of electric department at end of year including administrative, operating, maintenance and other employees (including part time employees)	26

OTHER UTILITY OPERATING INCOME (Account 414)

Report below the particulars called for in each column.

Line No.	Property (a)	Amount of Investment (b)	Amount of Revenue (c)	Amount of Operating Expenses (d)	Gain or (Loss) from Operation (e)
1					
2					
3					
4					
5					
6					
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45					
46					
47					
48					
49					
50					
51	TOTALS	\$0.00	\$0.00	\$0.00	\$0.00

Annual Report of The Town of Littleton Electric Light Department

Year ended December 31, 2015

INCOME FROM MERCHANDISE, JOBBING AND CONTRACT WORK (Account 415)

Report by utility departments the revenues, costs, expenses, and net income from merchandising, jobbing, and contract work during year.

Line No.	Item (a)	Electric Department (c)	Gas Department (d)	Other Utility Department (d)	Total (e)
1	Revenues:				
2	Merchandising sales, less discounts,	\$8,063.38			\$8,063.38
3	allowances and returns.....				
4	Contract Work.....	\$657,403.69			\$657,403.69
5	Commissions.....				
6	Other (List according to major classes)				
7	Administrative Support.....	\$296,301.18			\$296,301.18
8					
9					
10	Total Revenues.....	\$961,768.25	\$0.00	\$0.00	\$961,768.25
11					
12					
13	Costs and Expenses:				
14	Cost of Sales (List according to Major				
15	classes of cost).....				
16					
17	Labor	\$0.00			\$0.00
18	Materials	\$2,919.35			\$2,919.35
19	Administrative Support	\$296,301.18			\$296,301.18
20					
21					
22					
23					
24					
25					
26	Sales expenses.....				
27	Customer accounts expenses.....				
28	Administrative and general expenses.....				
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50	TOTAL COSTS AND EXPENSES	\$299,220.53	\$0.00	\$0.00	\$299,220.53
51	Net Profit (or Loss)	\$662,547.72	\$0.00	\$0.00	\$662,547.72

SALES FOR RESALE (Account 447)

1. Report sales during year to other electric utilities and to cities or other public authorities for distribution to ultimate consumers.

2. Provide subheadings and classify sales as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Municipalities, (4) R.E.A. Cooperatives, and (5) other public authorities. For each sale designate statistical classification in column (b), thus: firm power, FP; dump or surplus power, DP; other G,

and place an "x" in column (c) if sale involves export across a state line.

3. Report separately firm, dump, and other power sold to the same utility. Describe the nature of any sales classified as other power, column (b).

4. If delivery is made at a substation indicate ownership in column (e), thus: respondent owned or leased, RS; customer owned or leased, CS.

Line No.	Sales to	Statistical Classification	Export Across State Lines	Point of Delivery	Substation	Kw or Kva of Demand (Specify which)		
						Contract Demand	Average Monthly Maximum Demand	Annual Maximum Demand
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
1	N/A							
2								
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SALES FOR RESALE (Account 447) - Continued

5 If a fixed number of kilowatts of maximum demand is specified in the power contract as a basis of billings to the customer this number should be shown in column (f).. The number of kilowatts of maximum demand to be shown in column (g) and (h) should be actual based on monthly readings and should be furnished whether or not used in the determination of demand charges. Show in column (i) type of demand reading (instantaneous, 15, 30, or 60 minutes integrated).

6. The number of Kilowatt-hours sold should be the quantities shown by the bills rendered to the purchasers.

7. Explain any amounts entered in column (n) such as fuel or other adjustments.

8. If a contract covers several points of delivery and small amounts of electric energy are delivered at each point, such sale may be grouped.

Type of Demand Reading (i)	Voltage at which Delivered (j)	Kilowatt-hours (k)	Revenue (Omit Cents)				Revenue per Kwh (cents) [0.0000] (p)	Line No.
			Demand Charges (l)	Energy Charges (m)	Other Charges (n)	Total (o)		
								1
								2
								3
								4
								5
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								29
								30
								31
								32
								33
								34
TOTALS		0	\$0.00	\$0.00	\$0.00	\$0.00	0.0000	35

PURCHASED POWER (Account 555) - Continued

(except interchange power)

- | | |
|---|---|
| <p>4. If receipt of power is at a substation indicate ownership in column (e), thus: respondent owned or leased, RS; seller owned or leased, SS.</p> <p>5. If a fixed number of kilowatts of maximum demand is specified in the power contract as a basis of billing, this number should be shown in column (f). The number of kilowatts of maximum demand to be shown in column (g) and (h) should be actual based on monthly readings and</p> | <p>should be furnished whether or not used in the determination of demand charges. Show in column (l) type of demand reading (instantaneous, 15, 30, or 60 minutes integrated).</p> <p>6. The number of kilowatt hours purchased should be the quantities shown by the power bills.</p> <p>7. Explain any amount entered in column (n) such as fuel or other adjustments.</p> |
|---|---|

Type of Demand Reading (i)	Voltage at which Delivered (j)	Kilowatt-hours (k)	Cost of Energy (Omit Cents)				Cents per KWH (cents) [0.0000] (p)	Line No.
			Charges (l)	Energy Charges (m)	Other Charges (n)	Total (o)		
60 Minutes	115KV	22,336,000		\$936,683.93		\$936,683.93	0.0419	1
60 Minutes	115KV	6,566,505		\$32,307.18		\$32,307.18	0.0049	2
60 Minutes	115KV	638,369		\$85,896.15		\$85,896.15	0.1346	3
60 Minutes	115KV	3,235,398		\$246,191.27		\$246,191.27	0.0761	4
60 Minutes	115KV	71,045		\$13,898.36		\$13,898.36	0.1956	5
60 Minutes	115KV	268,821		\$1,807.66		\$1,807.66	0.0067	6
60 Minutes	115KV	5,719,179		\$38,324.76		\$38,324.76	0.0067	7
60 Minutes	115KV	9,130,608		\$60,889.97		\$60,889.97	0.0067	8
60 Minutes	115KV	963,345		\$6,449.07		\$6,449.07	0.0067	9
60 Minutes	115KV	12,160,893		\$1,159,471.83		\$1,159,471.83	0.0953	10
60 Minutes	115KV	5,410,111		\$507,140.13		\$507,140.13	0.0937	11
60 Minutes	115KV	174,586,800		\$8,788,207.11		\$8,788,207.11	0.0503	12
60 Minutes	115KV	3,612,480		\$249,281.81		\$249,281.81	0.0690	13
60 Minutes	115KV	3,451,606		\$312,253.45		\$312,253.45	0.0905	14
60 Minutes	115KV	593,369		\$41,535.88		\$41,535.88	0.0700	15
61 Minutes	115KV	5,597,350		\$560,403.44		\$560,403.44	0.1001	16
				(\$15,834.51)		(\$15,834.51)		17
								18
								19
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								35
								36
TOTALS		254,341,879	\$0.00	\$13,024,907.49	\$0.00	\$13,024,907.49	0.0512	37

INTERCHANGE POWER (Included in Account 555)

1. Report below the Kilowatt-hours received and delivered during the year and the net charge or credit under interchange power agreements.
 2. Provide subheadings and classify interchanges as to (1) Associated Utilities, (2) Nonassociated Utilities, (3) Associated Nonutilities, (4) Other Nonutilities, (5) Municipalities, (6) R.E.A., Cooperatives, and (7) Other Public Authorities. For each interchange across a state line place an "X" in column (b).
 3. Particulars of settlements for interchange power

shall be furnished in Part B, Details of Settlement for Interchange Power. If settlement for any transaction also includes credit or debit amounts other than for increment generation expenses, show such other component amounts separately, in addition to debit or credit for increment generation expenses, and give a brief explanation of the factors and principles under which such other component amounts were determined. If such settlement represents the net of debits and credits under an interconnection, power pooling,

coordination, or other such arrangement, submit a copy of the annual summary of transactions and billings among the parties to the agreement. If the amount of settlement reported in this schedule for any transaction does not represent all of the charges and credits covered by the agreement, furnish in a footnote a description of the other debits and credits and state the amounts and accounts in which such other amounts are included for the year.

A. Summary of Interchange According to Companies and Points of Interchange

Line No.	Name of Company	Interchange Across State Lines	Point of Interchange	Voltage at Which Interchanged	Kilowatt-hours			Amount of Settlement
					Received	Delivered	Net Difference	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
1	ISO NEW ENGLAND		LITTLETON	115kv	291,280,573	247,718,670	43,561,903	2,004,150
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12				TOTALS	291,280,573	247,718,670	43,561,903	2,004,150

B. Details of Settlement for Interchange Power

Line No.	Name of Company (i)	Explanation (j)	Amount (k)
13	ISO NEW ENGLAND	ENERGY EXPENSE	2,004,150
14			
15			
16			
17			
18			
19			
20			
21		TOTALS	2,004,150

ELECTRIC ENERGY ACCOUNT

Report below the information called for concerning the disposition of electric generated, purchased, and interchanged during the year.

Line No.	Item (a)	Kilowatt-hours (b)
SOURCES OF ENERGY		
1		
2	Generation (excluding station use):	
3	Steam..... Gas Turbine Combined Cycle	
4	Nuclear.....	
5	Hydro.....	
6	Other..... Diesel	
7	Total generation.....	0
8	Purchases.....	254,256,855
9	{ In (gross) 247,718,670	
10	Interchanges..... { Out (gross) 291,280,573	
11	{ Net (Kwh).....	43,561,903
12	{ Received.....	
13	Transmission for/by others (Wh..... { Delivered.....	
14	{ Net (kwh).....	
15	TOTAL	297,818,758
DISPOSITION OF ENERGY		
16		
17	Sales to ultimate consumers (including interdepartmental sales).....	291,076,886
18	Sales for resale.....	
19	Energy furnished without charge	
20	Energy used by the company (excluding station use).....	
21	Electric department only.....	916,594
22	Energy losses:	
23	Transmission and conversion losses.....	980,835
24	Distribution losses.....	4,844,443
25	Unaccounted for losses.....	
26	Total energy losses.....	5,825,278
27	Energy losses as percent of total on line 15..... 1.96%	
28	TOTAL	297,818,758

MONTHLY PEAKS AND OUTPUT

- Report hereunder the information called for pertaining to simultaneous peaks established monthly (in kilowatts) and monthly output (in kilowatt-hours) for the combined sources of electric energy of respondent.
- Monthly peak col. (b) should be respondent's maximum Kw load as measured by the sum of its coincidental net generation and purchases plus or minus net interchange minus temporary deliveries (not interchange) or emergency power to another system. Monthly peak including such emergency deliveries should be shown in a footnote with a brief explanation as to the nature of the emergency.
- State type of monthly peak reading (instantaneous 15, 30, or 60 minute integrated.)
- Monthly output should be the sum of respondent's net generation and purchases plus or minus net interchange and plus or minus net transmission or wheeling. Total for the year should agree with line 15 above. 5. If the respondent has two or more power systems and physically connected, the information called for below should be furnished for each system.

Monthly Peak

Line No.	Month (a)	Kilowatts (b)	Day of Week (c)	Day of Month (d)	Hour (e)	Type of Reading (f)	Monthly Output (kwh) See Instr. 4 (g)
29	January	45,389	THU	8	8:00	60 min	27,060,926
30	February	44,467	TUE	24	8:00	"	25,205,099
31	March	41,443	FRI	6	8:00	"	25,518,121
32	April	39,773	THU	9	11:00	"	22,855,933
33	May	46,166	THU	28	17:00	"	23,852,944
34	June	45,130	TUE	23	18:00	"	24,035,150
35	July	48,960	WED	29	18:00	"	26,401,989
36	August	63,130	MON	31	15:00	"	26,623,950
37	September	62,928	TUE	1	17:00	"	24,717,908
38	October	37,066	MON	19	19:00	"	22,921,200
39	November	40,979	MON	9	18:00	"	23,053,125
40	December	40,810	TUE	1	18:00	"	24,531,578
41	TOTAL						296,777,923

TRANSMISSION LINE STATISTICS

Report information concerning transmission lines as indicated below.

Line No.	Designation		Operating Voltage (c)	Type of Supporting Structure (d)	Length (Pole Miles)		Number of Circuits (g)	Size of Conductor and Material (h)
	From (a)	To (b)			On Structures of Line Designated (e)	On Structures of Another Line (f)		
1	Town Line	Beaverbrook Substation #80	115	Wood	0.060		3	795 MCM AL
2								
3								
4								
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46								
47	TOTALS				0.06		3	

* Where other than 60 cycle, 3 phase, so indicate.

SUBSTATIONS

1. Report below the information called for concerning substations of the respondent as of the end of the year.
 2. Substations which serve but one industrial or street railway customer should not be listed hereunder.
 3. Substations with capacities of less than 5000 Kva, except those serving customers with energy for resale, may be grouped according to functional character, but the number of such substations must be shown.

4. Indicate in column (b) the functional character of each substation, designating whether transmission or distribution and whether attended or unattended.
 5. Show in columns (i), (j), and (k) special equipment such as rotary converters, reflectors, condensers, etc. and auxiliary equipment for increasing capacity.
 6. Designate substations or major items of equipment leased from others, jointly owned with others, or operated otherwise than by

reason of sole ownership by the respondent. For any substation or equipment operated under lease, give name of lessor, date and period of lease and annual rent. For any substation or equipment operated other than by reason of sole ownership or lease, give name of co-owner or other party, explain basis of sharing expenses of other accounting between the parties, and state amounts and accounts affected in respondent's books of account. Specify in each case whether lessor, co-owner, or other party is an associated company.

Line No.	Name and Location of Substation (a)	Character of Substation (b)	VOLTAGE			Capacity of Substation in Kva (in Service) (f)	Number Of Transformers in Service (g)	Number of Spare Transformers (h)	Conversion Apparatus and Special Equipment		
			Primary (c)	Secondary (d)	Tertiary (e)				Type of Equipment (i)	Number Of Units (j)	Total Capacity (k)
1	Substation # 80	Distribution	115kv	25kv		160,000	3	0			
2											
3											
4											
5											
6											
7											
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24											
					TOTALS	160,000	3	0			

OVERHEAD DISTRIBUTION LINES OPERATED

Line No.		Length (Pole Miles)		
		Wood Poles	Steel Towers	TOTAL
1	Miles - Beginning of Year	31.20		31.20
2	Added During Year	0.21		0.21
3	Retired During Year			
4	Miles - End of Year	31.41		31.41
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

ELECTRIC DISTRIBUTION SERVICES, METERS AND LINE TRANSFORMERS

Line No.	Item	Electric Services	Number of Watt-hour Meters	Line Transformers	
				Number	Total Capacity (Kva)
16	Number at beginning of year.....	6,940	7,524	1,499	155,782
17	Additions during year:				
18	Purchased.....		142	45	10,825
19	Installed.....	332		55	13,025
20	Associated with utility plant acquired.....				
21	Total additions.....	332	142	55	13,025
22	Reduction during year:				
23	Retirements.....	376	376	27	5,280
24	Associated with utility plant sold.....				
25	Total reductions.....	376	376	27	5,280
26	Number at End of Year.....	6,896	7,290	1,527	163,527
27	In Stock.....		387	143	31,908
28	Locked Meters' on customers' premises.....				
29	Inactive Transformers on System.....				
30	In Customers' Use.....		6,896		
31	In Companys' Use.....		7		
32	Number at End of Year.....		7,290	1,670	195,435

CONDUIT, UNDERGROUND CABLE AND SUBMARINE CABLE -- (Distribution System)

Report below the information called for concerning conduit, underground cable, and submarine cable at end of year.

Line No.	Designation of Underground Distribution System (a)	Miles of Conduit Bank (All sizes and Types) (b)	Underground Cable		Submarine Cable	
			Miles* (c)	Operating voltage (d)	Feet* (e)	Operating Voltage (f)
1	1/0 Aluminum		57.75	25kv		
2	4/0 Aluminum		0.60	25kv		
3	500 MCM CU		6.10	25kv		
4	500 MCM AL		0.00	25kv		
5	750 MCM AL		0.00	25kv		
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34	TOTALS	0.0	64.45			

*Indicate number of conductors per cable.

STREET LAMPS CONNECTED TO SYSTEM

Line No.	City or Town (a)	Total (b)	TYPE							
			Incandescent		Mercury Vapor		LED		Metal Halide	
			Municipal (c)	Other (d)	Municipal (e)	Other (f)	Municipal (g)	Other (h)	Municipal (i)	Other (j)
1	Littleton	1,021				134	120	19	510	238
2	Boxborough	169				36	6	5	38	84
3										
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51										
52	TOTALS	1,190	0	0	0	170	126	24	548	322

RATE SCHEDULE INFORMATION

1. Attach copies of all Filed Rates for General Consumers.
2. Show below the changes in rate schedules during year and the estimated increase or decrease in annual revenue predicted on the previous year's operations.

Date Effective	M.D.P.U. Number	Rate Schedule	Estimated Effect of Annual Revenues	
			Increases	Decrease
4/1/2015	310	See Attached	\$150,415 (0.46%)	

THIS RETURN IS SIGNED UNDER THE PENALTIES OF PERJURY

N/A

Mayor

DocuSigned by:

Scott Edwards

3/21/2016

Manager of Electric Light

B22FCF3B961F47E...

**Selectmen
or
Members
of the
Municipal
Light
Board**

DocuSigned by:

Ivan Pagalik

3/21/2016

794F508BFA34497...

DocuSigned by:

Joe McLumber

3/21/2016

6877259F497F42E...

DocuSigned by:

Tom Rauker

3/21/2016

52BB10F5A9684D5...

LELD Rate Comparison
Existing Rates vs Proposed April 2015 Rates

Rate Description	Existing Rate Number	New Rate Number	Fixed Charges				Variable Charges				Annual Revenue	Percent difference from new rate	
			Customer Charge \$/month	ECS Charge \$/month	Distribution Charge cents/kWh	Demand/Distribution Charge \$/kVA	Energy/PPC Charge cents/kWh	PCA Charge cents/kWh	Total Variable Charge cents/kWh				
Residential	10	10	\$5.00	\$0.25	N/A	N/A	\$8.29	\$2.80	\$11.09	\$7,489,306	0.10%	Distribution Charge fixed each year to cover operating costs, PPC variable to cover power purchases	
Non-Residential, Business, Small Commercial/Industrial less than 40 kVA	20	20	\$10.00	\$0.25	N/A	N/A	\$8.86	\$2.80	\$11.66	\$1,605,171	-0.27%	Distribution Charge fixed each year to cover operating costs, PPC variable to cover power purchases	
Commercial/Industrial between 40 kVA and 200 kVA	30 & 35	30	\$40.00	\$0.25	N/A	\$9.71	\$6.90	\$2.80	\$9.70	\$2,214,206	0.19%	Distribution Charge fixed each year to cover operating costs, PPC variable to cover power purchases	
Large Commercial/Industrial over 200 kVA	44&49	40	\$75.00	\$1.00	N/A	\$9.85	\$6.93 on-peak \$5.64 off-peak \$11.33 on-peak \$5.04 off-peak	\$2.80	\$9.30	\$20,330,064	0.03%	Distribution Charge fixed each year to cover operating costs, PPC variable to cover power purchases	
Small Municipal less than 40 kVA	50	50	\$7.00	\$0.25	N/A	N/A	\$8.22	\$2.80	\$11.02	\$302,673	-0.45%	Distribution Charge fixed each year to cover operating costs, PPC variable to cover power purchases	
Large Municipal more than 40 kVA	60	60	\$19.00	\$0.25	N/A	\$8.76	\$5.29	\$2.80	\$8.09	\$394,335	1.79%	Distribution Charge fixed each year to cover operating costs, PPC variable to cover power purchases	
Net Metering Rate for customer owned generation (solar, wind, heat) - credit to Customer for power received	70	70	\$19.00	\$1.00	N/A	\$7.70	\$8.37	\$0.00	\$8.37	\$401,227		Distribution Charge fixed each year to cover operating costs, PPC variable to cover power purchases	
Private area floor and roadway lights and poles	80	80	Variable depending on fixture size	Variable depending on fixture size	\$2.65 charge		\$9.29 credit	\$2.8 credit	\$11.09 credit	\$112,597		credit residential customer PPC minus distribution charge	
Power Cost Adjustment clause-replaced with Purchased Power Charge	PCA	PPC					\$8.37	\$2.80	\$8.37	\$181,650	61.33%	no charge for power used by fixture additional cost of power used by fixture	
Energy Conservation Service - applicable to all customers. Used for energy efficiency programs	ECS	ECS		\$0.25				\$0.00	\$0.00	\$20,780		variable based on purchase power cost	
Manual Reading Charge - for customers who opt out of the AMR program	Manual Reading Ch.	Manual Reading Ch.	\$5.00	\$15.00				\$0.00	\$0.00	\$83,040	300.00%	collects \$20,000/year collects \$80,000/year	
											200.00%	collects \$720/year collects \$2,160/year	

Total Revenue Difference \$150,415 0.46%

RATE SCHEDULE: RESIDENTIAL GENERAL SERVICE

RATE 10

Designation: 440-1MDPU 310

Superseding

Applicable to:MDTE 210

In the Towns of Littleton and Boxborough, any dwelling unit for all residential purposes; churches and associated buildings for religious or educational purposes.

Character of Service:

120/240 volt, 3 wire, single phase

208/120 volt, 3 or 4 wire polyphase

60 Hz, a.c.

Rate Charges:

A. Customer charge: (*)\$ 5.00 per month

B. Distribution Energy charge:\$ 0.0265 per kWh

C. Purchased Power Charge:

For all kWh's, a charge per kWh to recover the cost of purchased power and transmission in accordance with currently filed Purchased Power Charge (PPC).

D. PASNY credit:

A credit is given to residential electric customers each month based on discounted purchased power from Niagara Falls Hydro.

E. ECS charge:

State regulations mandate that a fee be collected from all customers to cover the cost of the Energy Conservation Service. See Rate Schedule: Energy Conservation Service.

F. Minimum charge:

The Customer Charge plus the ECS charge.

(*) - Customer Charge waived for Senior Citizens (see LELD policy)

Terms:

Payment shall be upon receipt of bill.

Conditions:

All dwelling units will be individually metered. Common use will be metered and billed separately to building owner.

Effective: April 1, 2015

RATE SCHEDULE: FARM DISCOUNT

RATE 15

Designation: 440-1MDPU 115

Superseding

Applicable to:NONE

In the Towns of Littleton and Boxborough, customers who meet the eligibility requirements for being engaged in the business of agricultural or farming as defined under M.G.L. Chapter 61a.

Rate Charges:

A discount of ten percent (10%) from the total monthly bill for electric service only.

Conditions:

Customers who meet the requirements must provide appropriate documentation of their eligibility under this provision. Discount shall exclude separately metered residential dwelling(s).

Terms: Payment shall be upon receipt of invoice.

Effective: April 1, 2015

RATE SCHEDULE:
NONRESIDENTIAL, BUSINESS, SMALL COMMERCIAL, SMALL INDUSTRIAL

RATE 20

Designation: 442-5MDPU 320

Superseding

Applicable to:MDTE 220

In the Towns of Littleton and Boxborough, any nonresidential, business, small commercial or industrial use with less than 40 KVA of demand in any billing period.

Character of Service:

120/240 volt, 3 wire, single phase
208/120 volt, 3 or 4 wire polyphase
60 Hz, a.c.

Rate charges:

- A. Customer charge:\$10.00 per month
- B. Distribution Energy charge:\$ 0.0322 per kWh
- C. Purchased Power Charge: For all kWh's, a charge per kWh to recover the cost of purchased power and transmission in accordance with currently filed Purchased Power Charge (PPC).
- D. ECS charge:
State regulations mandate that a fee be collected from all customers to cover the cost of the Energy Conservation Service. See Rate Schedule: Energy Conservation Service.
- E. Minimum charge:
The customer charge plus the ECS charge.

Terms:

Payment shall be upon receipt of invoice. A periodic interest charge of 1.5%, annual interest rate 18%, will be added to any unpaid previous balance on the bill.

Conditions:

Individual shops and offices will be individually metered unless specifically waived by the Department.

Effective: April 1, 2015

RATE SCHEDULE: COMMERCIAL, INDUSTRIAL POWER SERVICE

RATE 30

Designation: 442-9MDPU 330

Superseding

Applicable to:MDTE 230

In the Towns of Littleton and Boxborough, a commercial or industrial use with a maximum demand equal to or greater than 40 kVA and less than 200 kVA. A customer may also qualify by:

1. Being an owner of a building, which was previously leased and is completely empty, using electricity for the sole purpose of maintaining the building's integrity.
2. Occupying a building or portion of a building, with more than one meter, and qualifying for Rate 30 by means of total KVA demand.

Character of Service:

208/120, 240,480 or 480/277 volt, 3 or 4 wire, three phase, 60 Hz, a.c.

Rate Charges:

A. Customer charge:\$ 40.00 per month

B. Distribution Energy charge:\$0.0126 per kWh. This Charge is also applied to the kWh output of customer owned interconnected generation.

C. Distribution Demand Charge: All billable or metered kVA demand units at \$ 9.15 per demand unit, defined as the maximum 60 minute metered kVA demand units in current month. This Charge is also applied to the kVA output of customer owned interconnected generation.

D. Purchased Power Charge: For all kWh's, a charge per kWh to recover the cost of purchased power and transmission in accordance with currently filed Purchased Power Charge (PPC).

E. ECS charge

State regulations mandate that a fee be collected from all customers to cover the cost of the Energy Conservation Service. See Rate Schedule: Energy Conservation Service.

F. Minimum Charge:

The customer charge plus the ECS charge.

Terms:

Payment shall be upon receipt of invoice. A periodic interest charge of 1.5%, annual interest rate 18%, will be added to any unpaid previous balance on the bill.

Conditions:

Minimum term of service, one year. 90 day written notice required for waiver of minimum charges. All usage shall be through one meter unless metered separately for Department purposes.

Effective: April 1, 2015

RATE SCHEDULE: LARGE COMMERCIAL AND INDUSTRIAL SERVICE

RATE 40

Designation: 445-7MDPU 340

Superseding

Applicable to:MDTE 240

In the Towns of Littleton and Boxborough, a any commercial or industrial use with a maximum demand greater than 200 kVA, or new customer requiring 600 kVA or more of transformer capacity.

Character of Service:

208/120 OR 480/277 volt, 4 wire, three phase, 60 Hz, a.c.

Nominal 25,000 volts, three phase, 4 wire

Rate Charges:

- A. Customer charge:\$ 75.00 per month
- B. Distribution Energy charge: \$0.0055 per kWh. This charge is also applied to the kWh output of customer owned interconnected generation.
- C. Distribution Demand charge: All billable or metered kVA demand units \$ 9.29 per demand unit, defined as the maximum 60 minute metered kVA demand units in the current month. This charge is also applied to the kVA output of customer owned interconnected generation.
- D. Purchased Power Charge: For all on-peak and off-peak kWh's, a charge per kWh to recover the cost of purchased power and transmission in accordance with currently filed Purchased Power Charge (PPC). On-peak hours: 7:00 am – 11:00 pm, Monday –Friday. Off-peak hours: 11:00 pm -7:00 am, Monday – Friday, 11:00 pm Friday – 7:00 am Monday.
- E. ECS charge: State regulations mandate that a fee be collected from all customers to cover the cost of the Energy Conservation Service. See Rate Schedule: Energy Conservation Service.
- F. Minimum charge: The Customer Charge plus the ECS charge.

High-Voltage Primary Metering Adjustment:

Where delivery service is metered at the Department's supply line voltage, in no case less than 2,400 volts, thereby saving the Department transformer losses, a discount of 1.0% will be allowed from the amount determined under the preceding provisions other than the Customer Charge.

Terms:

Payment shall be upon receipt. A periodic interest charge of 1.5%, annual interest rate 18%, will be added to any unpaid previous balance on the bill.

Conditions:

The Department will supply service to one mutually satisfactory location per contiguous customer site. Suitable primary and time of use metering locations must be provided. All metering will be supplied by the Department. The Department's ownership and maintenance responsibility will end at the secondary bushing of the transformer.

A contract for service detailing additional special terms or conditions will be required.

Minimum term of service shall be two years automatically renewed for one-year periods. Minimum charges shall apply for 15 months from date of written notice by customer to discontinue service.

See applicable portions of the department's General Terms and Conditions.

Effective: April 1, 2015

RATE SCHEDULE: MUNICIPAL SMALL GENERAL SERVICE

RATE 50

Designation: 445-11MDPU 350

Superseding

Applicable to:MDTE 250

In the Towns of Littleton and Boxborough, any municipal or public authority for any public purpose except street lighting, with less than 40 KVA of demand.

Character of Service:

120/240 volt, 3 wire, single phase, 60 Hz, a.c.

Rate Charges:

- A. Customer charge:\$ 7.00 per month
- B. Distribution Energy charge:\$ 0.0258 per kWh
- C. Purchased Power Charge: For all kWh's, a charge per kWh to recover the cost of purchased power and transmission in accordance with currently filed Purchased Power Charge (PPC).
- D. ECS charge: State regulations mandate that a fee be collected from all customers to cover the cost of the Energy conservation Service. See Rate Schedule: Energy Conservation Service (ECS).
- E. Minimum charge:
The Customer Charge plus the ECS charge.

Terms:

Payment shall be upon receipt.

Effective: April 1, 2015

RATE SCHEDULE: MUNICIPAL POWER SERVICE

RATE 60

Designation: 445-13MDPU 360

Superseding

Applicable to:MDTE 260

In the Towns of Littleton and Boxborough, any municipal or public authority for any public purpose except street lighting, with a maximum equal to or greater than 40 kilowatt recorded in the previous 15-month period.

Character of Service:

208/120, 480/277, 240 or 480 volts, 3 or 4 wire, three-phase, 60 Hz, a.c.

Rate Charges:

- A. Customer charge\$19.00 per month
- B. Purchased Power Charge: For all kWh's, a charge per kWh to recover the cost of purchased power and transmission in accordance with currently filed Purchased Power Charge (PPC).
- C. ECS charge: State regulations mandate that a fee be collected from all customers to cover the cost of the Energy Conservation Service. See rate Schedule: energy Conservation Service (ECS).
- E. Distribution Demand charge: All billable or metered kVA demand units \$ 7.70 per demand unit, defined as the maximum 60 minute metered kVA demand units in current month.
- F. Minimum charge: The customer charge plus a minimum demand charge of \$308.00, (40 demand units X \$7.70) including no kWh's.

Terms: Payment shall be upon receipt.

Effective: April 1, 2015

RATE SCHEDULE: PRIVATE AREA LIGHTING SERVICE

RATE 80

Designation: 449-17MDPU 280

Superseding

Applicable to:MDPU 180

In the Towns of Littleton and Boxborough, any customer other than the Town of Littleton, for outdoor lighting including unaccepted streets.

Character of Service:

The Department will own, install, service and energize lights of the size and type listed below, to be connected directly to the Department's existing facilities. Light fixtures will be energized from approximately 1/2 hour after sunset to 1/2 hour before sunrise, about 4,200 hours annually. Additional poles or facilities at extra cost.

Fixed Monthly Charge:

For each light and pole, to recover the cost of the light fixture, hardware, pole, and maintenance.

Size (Watts)	Type	Approx. Lumens	Approx. Monthly kWh per Fixture	Monthly Charge
175	MV Roadway	8,000	67	\$4.40
400	MV Flood	22,000	158	\$8.75
1,000	MV Flood	63,000	354	\$15.93
50	MH Roadway	4,000	21	\$4.55
100	MH Roadway	9,600	41	\$5.81
400	MH Flood	32,000	157	\$12.79
1,000	MH Flood	140,000	385	\$14.29
0 to 50	LED Roadway	2,480	10	\$6.83
51 to 100	LED Roadway	4,806	30	\$8.72
101 to 150	LED Flood		48	\$19.19
35' Pole		N/A	N/A	\$4.00

Purchased Power Charge:

For all kWh's, a charge per kWh to recover the cost of purchased power and transmission in accordance with currently filed Purchased Power Charge (PPC).

Terms:

Charges for lighting services will appear as an item on a customer's electric bill and bear the same terms as the customer's general service rate.

Conditions:

Lamp replacement and maintenance will be performed as soon as possible following notification by customer for the need for such service. No light shall be more than 150 feet from the Department's existing overhead distribution facilities. The customer shall agree the Department will not be required to move its facilities to another location on the customers' premises unless the customer shall bear the cost thereof. Customer hereby agrees to take service for a minimum period of 12 months, unless the customer's right to occupy the premises ceases during such period. This schedule reflects actual expenses incurred in operation and maintenance, including fuel.

Effective: April 1, 2015

RATE SCHEDULE: ENERGY CONSERVATION SERVICE (ECS)

ECS

Applicable to:

All filed retail rate schedules referencing this clause.

Rate Charges:

Energy Conservation Service (ECS), \$1.00 per month per customer.

State regulations mandate that a fee be collected from all customers to cover the cost of the Energy Conservation Service. The budget for the Energy Conservation Service is one quarter of one percent of the gross revenues of the previous year as reported to the Massachusetts DPU.

Effective: April 1, 2015

PASNY POWER CREDIT CLAUSE

PASNY

Applicable to:

In the Towns of Littleton and Boxborough, all Residential Rate Schedules.

The Town of Littleton through the Littleton Electric Light Department has been allocated a portion of the output of certain low cost, federally licensed hydroelectric power projects in the State of New York. This power is for end use for residential purposes only. To pass the savings to residential customers, this PASNY power credit clause has been instituted.

Rate Charges:

The savings each month in power costs from the PASNY power allocation will be credited on a per kWh basis to each residential customer, by dividing the Department's total monthly calculated dollar savings by the total estimated kWh to be billed to all residential customers in the current month. The amount per kWh to be credited will be multiplied by the kWh consumed and will appear as a line item on all residential bills.

Conditions:

No bill shall be reduced below the minimum charge in the applicable residential rate schedule as a result of the PASNY power credit.

Effective: April 1, 2015

RATE SCHEDULE: PURCHASED POWER CHARGE

PPC

Designation: MDPU 190

Applicable to:

All filed retail rate schedules referencing this clause.

Rate Charges:

The object of the PPC clause is to recover the total cost of power supply including losses.

The "total cost of power supply" is defined as the sum of the fixed and variable costs of power (including fuel and pool interchange net costs), and the cost of transmission of electricity by others, recorded in the FERC Uniform System of Accounts under account numbers; 555 Purchased Power; 557 Other Purchased Power; and 565 Transmission of Electricity by Others.

There shall be added to each monthly bill, for each schedule, an amount equal to the total kWh billed during the month multiplied by the Purchased Power Charge determined as follows:

$$PPC = A + C$$

where

PPC = Purchased Power Charge

A = Estimated average cost of purchased power for the calendar year per kilowatt-hour sold as forecast by the Department, net of charges or credits for NEPOOL interchange, plus the total savings credited to Residential customers under the PASNY Power Credit Clause.

C = Adjustment for past differentials between purchased power cost incurred and Power Cost Adjustment revenues collected.

Effective: April 1, 2015

RATE SCHEDULE: MANUAL METER READING

MANUAL READING CHARGE

Applicable to:

In the Towns of Littleton and Boxborough, all existing customers prior to April 1, 2015 who have their electric meters read manually, rather than through the Department's Automatic Meter Reading Program (AMR). This charge is not available to new customers that take service or require a meter change after April 1, 2015.

Rate Charges:

Manual Meter Reading (Manual Reading Charge), \$15.00 per month, per customer.

Customers who opt out of the AMR program agree to bear the full costs associated with maintaining and reading their manual meter. (See LELD Policy)

LELD commits to supporting manual-read meters for so long as is practical and feasible.

Effective: April 1, 2015